

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A medical device, comprising:
an elongated tubular member having a proximal segment, a distal segment, and an inner lumen disposed at least partially therethrough; and
a dilator tip ~~cautery~~ having a proximal end insertable at least in part within the distal segment, a proximal section, a distally-tapered distal section, a raised ridge between the proximal section and the distal section, and an inner lumen disposed therethrough;
wherein [[a]] the proximal section of the dilator tip e~~a~~theter has an outer diameter and the distal segment of the elongated tubular member has an inner diameter smaller than the outer diameter of the proximal section of the dilator tip ~~e~~atheter;
wherein [[a]] the proximal end of the dilator tip e~~a~~theter is positioned at least in part within the distal segment of the elongated tubular member such that the distal segment expands around at least a portion of the proximal section of the dilator tip ~~e~~atheter.
2. (Original) The medical device of claim 1, wherein the proximal segment varies in thickness along its length.
3. (Original) The medical device of claim 1, wherein the distal segment includes a braid.
4. (Currently Amended) The medical device of claim 1, wherein the dilator tip ~~e~~atheter has a generally circular transverse cross-sectional area.
5. (Canceled)
6. (Currently Amended) The medical device of claim [[5]] 1, wherein the proximal section of said dilator tip ~~e~~atheter is configured to tightly fit within the distal segment.

7. (Canceled)

8. (Original) The medical device of claim 1, wherein the elongated tubular member is configured to radially expand and encompass an intravascular device therein.

9. (Original) The medical device of claim 8, wherein the intravascular device is an embolic protection filter.

10. (Original) The medical device of claim 1, wherein the elongated tubular member is configured for use over-the-wire.

11. (Original) The medical device of claim 1, wherein the elongated tubular member is configured for single operator exchange.

12. (Currently Amended) A medical device, comprising:
an elongated tubular member having a proximal segment, a distal segment, and an inner lumen disposed at least partially therethrough, the distal segment including at least a portion including a braid, the distal segment configured to radially expand between an unexpanded state and a radially expanded state; and

a dilator tip ~~eatheter~~ having a proximal section inserted at least in part within the portion of the distal segment including the braid, a distally-tapered distal section, a raised ridge between the proximal section and the distal section, and an inner lumen disposed therethrough;

wherein the proximal section of the dilator tip ~~eatheter~~ urges the distal segment of the elongated tubular member into the radially expanded state.

13. (Original) The medical device of claim 12, wherein the proximal segment varies in thickness along its length.

14. (Currently Amended) The medical device of claim 12, wherein the dilator tip ~~eatheter~~ has a generally circular transverse cross-sectional area.

15. (Canceled)

16. (Currently Amended) The medical device of claim [[15]] 12, wherein the proximal section of said dilator tip ~~cautery~~ is configured to tightly fit within the distal segment.

17. (Canceled)

18. (Original) The medical device of claim 12, wherein the elongated tubular member is configured to radially expand and encompass an intravascular device therein.

19. (Original) The medical device of claim 18, wherein the intravascular device is an embolic protection filter.

20. (Original) The medical device of claim 12, wherein the elongated tubular member is configured for use over-the-wire.

21. (Original) The medical device of claim 12, wherein the elongated tubular member is configured for single operator exchange.

22. (Currently Amended) A medical device, comprising:

an elongated tubular member having a proximal segment, a distal segment, and an inner lumen disposed at least partially therethrough, the distal segment having an inner diameter; and

a dilator tip ~~cautery~~ insertable at least in part within the distal segment, the dilator tip ~~cautery~~ having a proximal section having an outer diameter greater than the inner diameter of the distal segment of the elongated tubular member forming an interference fit therebetween, a distally-tapered distal section, a raised ridge between the proximal section and the distal section, and an inner lumen disposed therethrough;

wherein the interference fit between the dilator tip ~~cautery~~ and the distal segment of the elongated tubular member causes the distal segment of the elongated tubular member to be radially expanded.

23. (Original) The medical device of claim 22, wherein the proximal segment varies in thickness along its length.

24. (Original) The medical device of claim 22, wherein the distal segment includes a braid.

25. (Currently Amended) The medical device of claim 22, wherein the dilator tip ~~catheter~~ has a generally circular transverse cross-sectional area.

26. (Canceled)

27. (Original) The medical device of claim 22, wherein the elongated tubular member is configured to radially expand and encompass an intravascular device therein.

28. (Original) The medical device of claim 27, wherein the intravascular device is an embolic protection filter.

29. (Original) The medical device of claim 22, wherein the elongated tubular member is configured for use over-the-wire.

30. (Original) The medical device of claim 22, wherein the elongated tubular member is configured for single operator exchange.

31. (Currently Amended) A system for retrieving an intravascular device disposed within a body lumen, comprising:

an embolic protection filter disposed about an elongated wire;

a retrieval device configured to radially expand and encompass the intravascular filter therein, said retrieval device comprising an elongated tubular member having a proximal segment, a distal segment, and an inner lumen adapted to slidably receive the elongated wire; and

a dilator tip ~~eatheter~~ having a proximal section insertable at least in part within the distal segment urging the distal segment of the elongated tubular member to radially expand, a distally-tapered distal section, and a raised ridge between the proximal section and the distal section, said dilator tip ~~eatheter~~ configured to engage a stop disposed about the elongated wire.

32. (Currently Amended) A system for retrieving an intravascular device disposed within a body lumen, comprising:

an embolic protection filter disposed about an elongated wire;

a retrieval device configured to radially expand and encompass the intravascular filter therein, said retrieval device comprising an elongated tubular member having a proximal segment, a distal segment, and an inner lumen adapted to slidably receive the elongated wire; and

a dilator tip ~~eatheter~~ insertable at least in part within the distal segment, the dilator tip ~~eatheter~~ including a proximal section configured to tightly fit within the distal segment, a distally-tapered distal section configured to engage a stop disposed about the elongated wire, a raised ridge between the proximal section and the distal section, and an inner lumen disposed therethrough configured to slidably receive the elongated wire;

wherein the proximal section of the dilator tip ~~eatheter~~ has an outer diameter and the distal segment of the elongated tubular member has an inner diameter smaller than the outer diameter of the proximal section of the dilator tip ~~eatheter~~;

wherein a proximal end of the dilator tip ~~eatheter~~ is positioned at least in part within the distal segment of the elongated tubular member such that the distal segment expands around the proximal section of the dilator tip ~~eatheter~~.

33. (Currently Amended) A medical device, comprising:

an elongated tubular member having a proximal segment, a distal segment, and an inner lumen disposed at least partially therethrough, the distal segment formed of an elastic material such that the distal segment is radially expandable between an unexpanded state and a radially expanded state; and

a dilator tip ~~eatheter~~ including a proximal section, a proximal end of the dilator tip ~~eatheter~~ inserted at least in part within the distal segment, a distally-tapered distal section, and a

raised ridge between the proximal section and the distal section, wherein the proximal section of the dilator tip ~~cautery~~ urges the distal segment of the elongated tubular member into the radially expanded state.

34. (Currently Amended) The medical device of claim 33, wherein the dilator tip ~~cautery~~ has an outer diameter and the distal segment of the elongated tubular member has an inner diameter less than the outer diameter of the dilator tip ~~cautery~~.

35. (Currently Amended) The medical device of claim 34, wherein the dilator tip ~~cautery~~ forms an interference fit with the elongated tubular member.

36. (Currently Amended) The medical device of claim 35, wherein the dilator tip ~~cautery~~ includes a lumen extending therethrough.